

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 0 | rout\$3 near5 link adj encrypt\$3 | JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/02 18:42 |
| L2 | 50 | rout\$3 with ((enforc\$3 forc\$) near2 path) | US-PGPUB; USPAT | OR | OFF | 2005/09/02 18:41 |
| L3 | 68 | rout\$3 with ((specific) near2 path) same (routed routing) with (data packet\$1 datagram) | US-PGPUB; USPAT | OR | OFF | 2005/09/02 18:41 |
| L4 | 31 | rout\$3 with ((specific) near2 path) same (routed routing) with (data packet\$1 datagram) and "709"/\$. ccls. | US-PGPUB; USPAT | OR | OFF | 2005/09/02 18:42 |
| L5 | 1 | rout\$3 near3 (link adj encrypt\$3) | JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/02 18:42 |
| S1 | 1 | "20020136407".pn. and (location adj identity specific adj2 location time adj dimension universal earth shape adj parameter sought render\$3 distributor remote adj device) | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 17:53 |
| S2 | 441 | encrypt same key same location | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/14 17:02 |
| S3 | 142 | encrypt same key near6 location | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/14 17:03 |
| S4 | 113 | encrypt same key near4 location | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/14 17:03 |
| S5 | 116 | encrypt same key near4 location | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/14 17:23 |
| S6 | 12 | encrypt same key near4 (destination adj2 address) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/14 17:27 |
| S7 | 5 | encrypt same key near4 GPS | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/14 17:31 |

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|-----|-----|--|---|----|-----|------------------|
| S9 | 26 | ("4418425" "45310200" "4709266" "4860352" "4887296" "4993067" "5243652" "5532838" "5640452" "5659617" "5740252" "5754657" "5757916").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/14 18:08 |
| S10 | 114 | only with location with decrypt\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/14 18:09 |
| S11 | 43 | (only near3 location) with decrypt\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/14 18:09 |
| S12 | 120 | geographic adj location same encrypt\$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/14 18:12 |
| S13 | 44 | key same geographic adj location same encrypt\$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 14:15 |
| S14 | 2 | geo adj1 (encrypt\$3 crypto\$6) | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 14:36 |
| S15 | 212 | satellite\$1 adj4 (encrypt\$3 crypto\$6) | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 14:35 |
| S16 | 35 | satellite\$1 adj4 (key near3 (encrypt\$3 crypto\$6)) | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 15:08 |
| S17 | 45 | satellite\$1 adj4 (key near3 (encrypt\$3 crypto\$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/15 14:35 |
| S18 | 2 | geo adj1 (encrypt\$3 crypto\$6) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/15 14:36 |
| S19 | 786 | "340"/\$.ccls. and encrypt\$3 same key | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 15:09 |
| S20 | 165 | "340"/\$.ccls. and encrypt\$3 same key same locat\$3 | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 15:09 |

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|-----|-------|---|-----------------------------|----|-----|------------------|
| S21 | 189 | "340"/\$.ccls. and encrypt\$3 same key same (locat\$3 position) | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 15:32 |
| S22 | 165 | "340"/\$.ccls. and encrypt\$3 same key same locat\$3 not (s1-14) | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 15:10 |
| S23 | 265 | key same encrypt\$3 and (locat\$3 position Location locality site).ti. | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 15:33 |
| S24 | 169 | (locat\$3 position Location locality site) same key same encrypt\$3 and (locat\$3 position Location locality site).ti. | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 15:34 |
| S25 | 71 | (locat\$3 position Location locality site) near6 key same encrypt\$3 and (locat\$3 position Location locality site).ti. | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/15 15:45 |
| S26 | 61 | (locat\$3 position Location locality site) near6 key same encrypt\$3 and (locat\$3 position Location locality site).ti. | JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/15 15:57 |
| S39 | 16707 | encrypt\$ near3 key | US-PGPUB; USPAT | OR | OFF | 2005/03/15 21:28 |
| S40 | 13869 | encrypt\$ adj3 key | US-PGPUB; USPAT | OR | OFF | 2005/03/15 17:03 |
| S41 | 2833 | encrypt\$ adj3 encrypt\$ adj key | US-PGPUB; USPAT | OR | OFF | 2005/03/15 17:04 |
| S42 | 648 | encrypting adj key | US-PGPUB; USPAT | OR | OFF | 2005/03/15 18:44 |
| S43 | 46 | send\$3 with encrypting adj key | US-PGPUB; USPAT | OR | OFF | 2005/03/15 18:49 |
| S44 | 2 | send\$3 with encrypting adj key and 380/259.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 18:49 |
| S45 | 10 | encrypting adj key and 380/259.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 20:33 |
| S49 | 23 | session adj key and 380/259.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 20:33 |
| S50 | 17 | (encrypt\$ decrypt\$) same session adj key and 380/259.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 20:53 |
| S51 | 0 | (encrypt\$ decrypt\$) same main adj key and 380/259.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 20:53 |
| S52 | 73 | (encrypt\$ decrypt\$) adj key and 380/259.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 20:53 |
| S54 | 18 | router same (re adj encrypt\$4 reencrypt\$4) | US-PGPUB; USPAT | OR | OFF | 2005/03/15 21:46 |
| S55 | 53 | GPS with seed | US-PGPUB; USPAT | OR | OFF | 2005/03/15 21:59 |

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| S57 | 216 | key\$1 near table and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 21:59 |
| S58 | 183 | key\$1 near table and "380"/\$.ccls. and (certificat\$ sign\$6) | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:00 |
| S59 | 27 | key\$1 near table same (certificat\$ sign\$6)and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:03 |
| S60 | 2 | encrypt\$3 with key\$1 near table same (certificat\$)and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:04 |
| S61 | 115 | encrypt\$3 with key\$1 near table and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:05 |
| S62 | 75 | encrypt\$3 adj3 key\$1 near table and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:05 |
| S63 | 56 | encrypt\$3 adj3 key\$1 adj table and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:16 |
| S64 | 0 | encrypt\$3 adj3 key\$1 adj table same history and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:16 |
| S65 | 0 | key\$1 adj table same history and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:17 |
| S66 | 2 | key\$1 adj table same future and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:32 |
| S67 | 6 | key\$1 adj table same provider\$3 and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:34 |
| S68 | 3 | different adj key same key\$1 adj table and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 23:00 |
| S69 | 23 | different adj key same key\$1 adj table | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:40 |
| S70 | 0 | different adj key with provider same key\$1 adj table | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:40 |
| S71 | 0 | different adj key same provider same key\$1 adj table | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:40 |
| S72 | 0 | different adj key same sender same key\$1 adj table | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:40 |
| S73 | 0 | different adj key with sender same key\$1 adj table | US-PGPUB; USPAT | OR | OFF | 2005/03/15 22:40 |
| S74 | 202 | key\$1 with remot\$3 same security and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 23:01 |
| S75 | 105 | key\$1 with remot\$3 with security and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 23:01 |
| S76 | 59 | key\$1 near5 remot\$3 with security and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 23:02 |
| S77 | 2 | key\$1 near5 table same remot\$3 with security and "380"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/03/15 23:03 |
| S78 | 1656 | encrypt\$3 same key near3 storage | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 12:44 |

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| S79 | 687 | encrypt\$3 same key near3 storage and "380"/\$.ccls. | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 12:44 |
| S80 | 26 | encrypt\$3 same key near3 storage same remot\$3 with key and "380"/\$.ccls. | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 12:45 |
| S81 | 1 | encrypt\$3 same key near3 storage same remot\$3 with key with register\$ and "380"/\$.ccls. | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 14:38 |
| S82 | 0 | (pseudo adj1 number pseudonumber) with GPS | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 14:40 |
| S83 | 737 | (pseudo adj1 randmo pseudrandom random) with GPS | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 14:41 |
| S84 | 293 | (pseudo adj1 randmo pseudrandom random) near5 GPS | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 14:43 |
| S85 | 2 | encrypt\$3 same key\$1 same (pseudo adj1 randmo pseudrandom random) near5 GPS | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 14:42 |
| S86 | 201 | (pseudo adj1 randmo pseudrandom random) near5 GPS and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 14:44 |
| S87 | 384 | (pseudo adj1 random pseudrandom random) near5 GPS and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 14:45 |
| S88 | 1 | encrypt\$3 same key\$1 same (pseudo adj1 random pseudrandom random) near5 GPS and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 14:44 |
| S89 | 14 | encrypt\$3 same key\$1 and (pseudo adj1 random pseudrandom random) near5 GPS and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 18:15 |
| S93 | 1 | "20020136407".pn. and (seed pseudo adj2 number) | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 15:27 |
| S94 | 0 | (seed pseudo adj2 number) with sattelite | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 15:28 |

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| S95 | 1 | "20020136407".pn. and (location adj value proximity adj value) | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 18:31 |
| S96 | 394 | encrypt\$3 near5 key same key with pseudo adj random | US-PGPUB; USPAT; EPO | OR | OFF | 2005/03/16 18:14 |
| S97 | 2866 | encrypt\$3 same key\$1 same key with (pseudo adj1 random pseudrandom random) and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 19:26 |
| S99 | 1918 | encrypt\$3 same key\$1 same key with generat\$3 with (pseudo adj1 random pseudrandom random) and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/29 18:28 |
| S10 0 | 459 | encrypt\$3 same key\$1 same key with generat\$3 with (pseudo adj1 random pseudrandom random) and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") and (satellite gps) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 19:27 |
| S10 1 | 13 | encrypt\$3 same key\$1 same key with generat\$3 with (pseudo adj1 random pseudrandom random) same (satellite gps) and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 19:29 |
| S10 2 | 0 | encrypt\$3 same key\$1 same key with generat\$3 with (pseudo adj1 random pseudrandom random) same (gps) and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 19:30 |
| S10 3 | 31 | encrypt\$3 same key\$1 same key with generat\$3 with (pseudo adj1 random pseudrandom random) and (gps) and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 20:07 |

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|----------|-------|---|---|----|-----|------------------|
| S10 4 | 0 | encrypt\$3 same key\$1 same key with generat\$3 with (pseudo adj1 random pseudrandom random) and (gps same ((pseudo adj1 random pseudrandom random) seed)) and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 19:31 |
| S10 5 | 7 | encrypt\$3 same key\$1 same key with (pseudo adj1 random pseudrandom random) and (gps same ((pseudo adj1 random pseudrandom random) seed)) and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 19:31 |
| S10 6 | 861 | re adj1 encrypt\$3 and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 20:07 |
| S10 7 | 29857 | decrypt\$3 same4 re adj1 encrypt\$3 and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 20:07 |
| S10 8 | 378 | decrypt\$3 near4 re adj1 encrypt\$3 and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 20:08 |
| S10 9 | 35 | decrypt\$3 near4 re adj1 encrypt\$3 same rout\$3 and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 20:11 |
| S11 0 | 315 | decrypt\$3 near4 re adj1 encrypt\$3 same encrypted and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 20:11 |
| S11 1 | 79 | decrypt\$3 near4 re adj1 encrypt\$3 same encrypted and (@ad<"20001030" or @rlad<"20001030" or @prad<"20001030") and IP | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 21:12 |

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|----------|-------|--|---|----|-----|------------------|
| S11 3 | 0 | "6240514".pn. and (data adj portion with encrypt\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/16 21:12 |
| S11 5 | 18 | ("5727057" "6370629" "4468793" "5577122" "6243470" "6212635" "5963646" "5822432" "6192129" "6122379" "6154541").pn. and key | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/29 18:28 |
| S11 6 | 3294 | (location place coordinate\$1 geo geograph\$5 place address) near3 key\$1 with (generat\$3 creat\$3 deriv\$3 compos\$3 produc\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/29 18:28 |
| S11 7 | 34 | (location place coordinate\$1 geo geograph\$5 place address) near3 key\$1 with (generat\$3 creat\$3 deriv\$3 compos\$3 produc\$3) and ("340"/\$.ccls. and ("713"/\$ "380"/\$.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/29 18:38 |
| S12 2 | 1 | "6269446".pn. | JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/30 12:27 |
| S12 3 | 14576 | (location coordinate\$1 geo geograph\$5 place address) same (key\$1 with (generat\$3 creat\$3 deriv\$3 compos\$3 produc\$3)) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:28 |
| S12 4 | 6911 | (location coordinate\$1 geo geograph\$5 place address) with (key\$1 with (generat\$3 creat\$3 deriv\$3 compos\$3 produc\$3)) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:28 |
| S12 5 | 2351 | (location coordinate\$1 geo geograph\$5 place address) with (key\$1 near2 (generat\$3 creat\$3 deriv\$3 compos\$3 produc\$3)) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:28 |
| S12 6 | 894 | (location coordinate\$1 geo geograph\$5 place address) near3 (key\$1 near2 (generat\$3 creat\$3 deriv\$3 compos\$3 produc\$3)) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:29 |
| S12 7 | 399 | (location coordinate\$1 geo geograph\$5 place) near3 (key\$1 near2 (generat\$3 creat\$3 deriv\$3 compos\$3 produc\$3)) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:29 |
| S12 8 | 299 | (location coordinate\$1 geo geograph\$5 place) near2 (key\$1 near2 (generat\$3 creat\$3 deriv\$3 compos\$3 produc\$3)) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:29 |

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| S12 9 | 396 | ((generat\$3 creat\$3 deriv\$3 compos\$3 produc\$3)near3(location coordinate\$1 geo geograph\$5 place)) near2 (key\$1) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:30 |
| S13 0 | 55 | ((generat\$3 creat\$3 deriv\$3 compos\$3 produc\$3)near3(location coordinate\$1 geo geograph\$5 place)) near2 (key\$1) same (key near2 encrypt\$3) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:41 |
| S13 1 | 9 | ((gps geo geograph\$3) near2 (key\$1)) same (key near2 encrypt\$3) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:54 |
| S13 2 | 43 | ((gps geo geograph\$3) near5 (key\$1)) same (key near2 encrypt\$3) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:47 |
| S13 3 | 3 | ("5610839" "5701828" "5822430" H1414).pn. | US-PGPUB; USPAT | OR | OFF | 2005/08/30 12:53 |
| S13 4 | 102 | ((gps geo geograph\$3) with (key\$1)) | EPO; JPO | OR | OFF | 2005/08/30 12:54 |
| S13 5 | 3 | ((gps geo geograph\$3) with (key\$1)) and (key\$ with encrypt\$4) | EPO; JPO | OR | OFF | 2005/08/30 12:55 |
| S13 6 | 23 | already near2 (logon log adj on logged adj on logged adj on loggon) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 13:13 |
| S13 8 | 0 | "626946".pn. and (gps same key) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 13:41 |
| S15 6 | 200 | only near3 (one limited) adj session | US-PGPUB; USPAT | OR | OFF | 2005/08/30 18:26 |
| S15 7 | 1 | only near3 (one limited) adj session with (logon loggon login log adj in log adj on) | US-PGPUB; USPAT | OR | OFF | 2005/08/30 18:27 |

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)

(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200553

(c) 2005 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209

(c) 2002 INPI. All rts. reserv.

File 344:Chinese Patents Abs Aug 1985-2005/May

(c) 2005 European Patent Office

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| Set | Items | Description |
|-----|--------|---|
| S1 | 8471 | CIPHER? OR CYPHER? |
| S2 | 7000 | (ENCRYPT? OR ENCIPHER? OR ENCRYPT? OR CRYPTOGRAPH? OR CRYPTOLOG?) (1W) (KEY? ? OR CODE? ? OR MICROCOD? OR ALGORITHM?) |
| S3 | 12 | SECRETKEY? OR PRIVATEKEY? OR CRYPTOKEY? OR PUBLICKEY? OR SESSIONKEY? |
| S4 | 1632 | PKC OR PKE OR PKI OR RSA OR PGP |
| S5 | 43237 | (ACCESS?? ? OR ACCESSING) (2N) (DATA OR INFORMATION) |
| S6 | 199 | GEOLOCAT? OR GEOCOD???? ? OR GEOADDRESS? OR GEOPOSITION? OR GEODATA OR GEOINFORMATION? OR GEOIDENTIT? OR GEOCOORDINATE? - OR GEOCO()ORDINATE? ? |
| S7 | 0 | GEOATTRIBUTE? OR GEOVALUE? OR GEOINFO OR GEOIDENTIF? OR GEOPROPERTY? OR GEOPARAMET? OR GEOCHARACTERIST? OR GEOFACTOR? OR GEOPOINT? |
| S8 | 0 | GEOCRITER? |
| S9 | 1 | GEOLOCK? |
| S10 | 14741 | GEO OR GEOGRAPHIC???? ? OR GEOGRAPHY OR GEODETIC???? ? |
| S11 | 5061 | S10(1W) (CODE? ? OR ADDRESS???? ? OR POSITION???? ? OR LOCAT???? ? OR DATA OR INFORMATION OR INFO OR IDENTIT??? ? OR IDENTIFICAT?) |
| S12 | 460 | S10(1W) (IDENTIFIE?? ? OR IDENTIFY? OR COORDINATE? ? OR CO(-)ORDINATE? ? OR ATTRIBUTE? ? OR VALUE? ? OR PROPERTY? OR PROPERTIES) |
| S13 | 260 | S10(1W) (PARAMETER? OR PARAMETRE? OR CHARACTERISTIC? ? OR FACTOR OR FACTORS OR POINT? ? OR CRITERIA? OR CRITERION? ?) |
| S14 | 522491 | LOCALE OR LOCALIT??? ? OR ADDRESS OR LOCATION? |
| S15 | 267451 | S14(1W) (CODE? ? OR ADDRESS???? ? OR POSITION???? ? OR DATA OR INFORMATION OR INFO OR IDENTIT??? ? OR IDENTIFICAT?) |
| S16 | 6218 | S14(1W) (IDENTIFIE?? ? OR IDENTIFY? OR COORDINATE? ? OR CO(-)ORDINATE? ? OR ATTRIBUTE? ? OR VALUE? ? OR PROPERTY? OR PROPERTIES) |
| S17 | 1600 | S14(1W) (PARAMETER? OR PARAMETRE? OR CHARACTERISTIC? ? OR FACTOR OR FACTORS OR POINT? ? OR CRITERIA? OR CRITERION? ?) |
| S18 | 2971 | LONGITUD?(5N) LATITUD? |
| S19 | 154348 | GPS OR (GLOBAL OR GROUND) (1W) POSITION???? ? |
| S20 | 338 | (RADIONAVIGAT? OR NAVIGAT?) (1W) POSITION???? ? |
| S21 | 10 | S1:S5 AND S6:S9 |
| S22 | 201 | S1:S5 AND S11:S13 |
| S23 | 5 | S1:S3 AND S11:S13 |
| S24 | 745 | S1:S3 AND S15:S17 |
| S25 | 38 | S1:S3 AND S18:S20 |
| S26 | 2548 | S1:S3(3N) (CREAT? OR PRODUCE? ? OR PRODUCING OR PRODUCTION? OR BUILD? OR BUILT? OR GENERAT? OR FORMATION?) |
| S27 | 565 | S1:S3(3N) (FORM? ? OR FORMED OR FORMING OR DESIGN???? ? OR - CONSTRUCT? OR DEVELOP? OR CONFIGUR?) |
| S28 | 115 | S24 AND S26:S27 |
| S29 | 8334 | S5 AND (S11:S13 OR S15:S17) |
| S30 | 66 | S29 AND S18:S20 |
| S31 | 41705 | IC='H04L-009' |
| S32 | 9530 | IC='H04K-001' |

S33 18575 IC='H04N-007/16':IC='H04N-007/169'
 S34 120045 IC='G06F-012'
 S35 15511 IC='G09C'
 S36 19423 IC='G01S-005'
 S37 14 S30 AND S31:S36
 S38 5 S24 AND S18:S20
 S39 9942 MC=T01-D01
 S40 15963 MC='T01-N02B1':MC='T01-N02B1A'
 S41 15422 E10-E11
 S42 22366 MC='W01-A06E1'
 S43 1 S30 AND S39:S42
 S44 67 S21 OR S23 OR S25 OR S37:S38 OR S43
 S45 67 IDPAT (sorted in duplicate/non-duplicate order)
 S46 62 IDPAT (primary/non-duplicate records only)
 S47 39 S46 AND AC=US/PR
 S48 28 S47 AND AY=(1970:2000)/PR
 S49 31 S46 AND PY=1970:2000
 S50 40 S48:S49
 ? t50/9/2,7,9,12,17

50/9/2 (Item 2 from file: 347)

DIALOG(R) File 347:JAPIO

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05881449 **Image available**

SYSTEM FOR HIDING IN AUTHENTICATION INFORMATION IS IMAGE AND IMAGE
AUTHENTICATION SYSTEM

PUB. NO.: 10-164549 [JP 10164549 A]

PUBLISHED: June 19, 1998 (**19980619**)

INVENTOR(s): SHIMIZU SHUICHI

NUMAO MASAYUKI

MORIMOTO NORISHIGE

APPLICANT(s): IBM JAPAN LTD [366297] (A Japanese Company or Corporation),
JP (Japan)

APPL. NO.: 08-317526 [JP 96317526]

FILED: November 28, 1996 (19961128)

INTL CLASS: [6] H04N-007/167; H04N-005/225; H04N-007/18

JAPIO CLASS: 44.6 (COMMUNICATION -- Television)

JAPIO KEYWORD: R098 (ELECTRONIC MATERIALS -- Charge Transfer Elements, CCD &
BBD)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a new system capable of supplying authentication information in a form which is inseparable from an image data.

SOLUTION: An image is halved and authentication information to hide in one image is obtained from the other image itself. Objective image data photographed by a digital camera is divided into an area D(sub 1) for generating a hush value and an area D(sub 2) for hiding a hush value H. A digest-calculating part calculates H from data of D(sub 1) and **ciphers** it by a secret key different for each digital camera, etc., to hide D(sub 2), hiding can be executed by operating a pixel value in a real space or a frequency space to a degree of not being recognized visually. In D(sub 2), additional information such as a time stamp, positional information of **GPS** can be hidden before hiding data from D(sub 1).

50/9/7 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

File 348:EUROPEAN PATENTS 1978-2005/Aug W02
(c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050818,UT=20050811
(c) 2005 WIPO/Univentio
File 324:German Patents Fulltext 1967-200532
(c) 2005 Univention

| Set | Items | Description |
|-----|--------|---|
| S1 | 6331 | CIPHER? OR CYPHER? |
| S2 | 12758 | (ENCRYPT? OR ENCIPHER? OR ENCYPER? OR CRYPTOGRAPH? OR CRYPTOLOG?) (1W) (KEY? ? OR CODE? ? OR MICROCOD? OR ALGORITHM?) |
| S3 | 396 | SECRETKEY? OR PRIVATEKEY? OR CRYPTOKEY? OR PUBLICKEY? OR SESSIONKEY? |
| S4 | 15642 | PKC OR PKE OR PKI OR RSA OR PGP |
| S5 | 70971 | (ACCESS?? ? OR ACCESSING) (2N) (DATA OR INFORMATION) |
| S6 | 721 | GEOLOCAT? OR GEOCOD???? ? OR GEOADDRESS? OR GEOPOSITION? OR GEODATA OR GEOINFORMATION? OR GEOIDENTIT? OR GEOCOORDINATE? - OR GEOCO()ORDINATE? ? |
| S7 | 12 | GEOATTRIBUTE? OR GEOVALUE? OR GEOINFO OR GEOIDENTIF? OR GEOPROPERTY? OR GEOPARAMET? OR GEOCHARACTERIST? OR GEOFACTOR? OR GEOPOINT? |
| S8 | 0 | GEOCRITER? |
| S9 | 6 | GEOLOCK? |
| S10 | 53207 | GEO OR GEOGRAPHIC???? ? OR GEOGRAPHY OR GEODETIC???? ? |
| S11 | 14107 | S10(1W) (CODE? ? OR ADDRESS???? ? OR POSITION???? ? OR LOCATION???? ? OR DATA OR INFORMATION OR INFO OR IDENTIT??? ? OR IDENTIFICAT?) |
| S12 | 1765 | S10(1W) (IDENTIFIE?? ? OR IDENTIFY? OR COORDINATE? ? OR CO(-)ORDINATE? ? OR ATTRIBUTE? ? OR VALUE? ? OR PROPERTY? OR PROPERTIES) |
| S13 | 1212 | S10(1W) (PARAMETER? OR PARAMETRE? OR CHARACTERISTIC? ? OR FACTOR OR FACTORS OR POINT? ? OR CRITERIA? OR CRITERION? ?) |
| S14 | 695018 | LOCALE OR LOCALIT??? ? OR ADDRESS OR LOCATION? |
| S15 | 309110 | S14(1W) (CODE? ? OR ADDRESS???? ? OR POSITION???? ? OR DATA OR INFORMATION OR INFO OR IDENTIT??? ? OR IDENTIFICAT?) |
| S16 | 18625 | S14(1W) (IDENTIFIE?? ? OR IDENTIFY? OR COORDINATE? ? OR CO(-)ORDINATE? ? OR ATTRIBUTE? ? OR VALUE? ? OR PROPERTY? OR PROPERTIES) |
| S17 | 7544 | S14(1W) (PARAMETER? OR PARAMETRE? OR CHARACTERISTIC? ? OR FACTOR OR FACTORS OR POINT? ? OR CRITERIA? OR CRITERION? ?) |
| S18 | 5457 | LONGITUD? (5N) LATITUD? |
| S19 | 26608 | GPS OR (GLOBAL OR GROUND) (1W) POSITION???? ? |
| S20 | 767 | (RADIONAVIGAT? OR NAVIGAT?) (1W) POSITION???? ? |
| S21 | 14 | S1:S5(20N)S6:S9 |
| S22 | 340 | S1:S5(20N)S11:S13 |
| S23 | 337 | (S1:S3 OR S5) (20N)S11:S13 |
| S24 | 23 | S1:S3(20N)S11:S13 |
| S25 | 1211 | S1:S3(20N)S15:S17 |
| S26 | 51 | S1:S3(20N)S18:S20 |
| S27 | 3721 | S1:S3(3N) (CREAT???? ? OR PRODUCE? ? OR PRODUCING OR PRODUCTION? OR BUILD???? ? OR BUILT? OR GENERAT???? ? OR FORMATION? ?) |
| S28 | 1604 | S1:S3(3N) (FORM? ? OR FORMED OR FORMING OR DESIGN???? ? OR CONSTRUCT? OR DEVELOP???? ? OR CONFIGUR???? ?) |
| S29 | 1 | S27:S28(20N)S23 |
| S30 | 157 | S27:S28(20N)S25 |
| S31 | 9206 | S5(20N) (S11:S13 OR S15:S17) |
| S32 | 80 | S31(20N)S18:S20 |
| S33 | 9175 | IC='H04L-009' |
| S34 | 1670 | IC='H04K-001' |
| S35 | 4105 | IC='H04N-007/16':IC='H04N-007/169' |

S36 9978 IC='G06F-012'
S37 732 IC='G09C'
S38 4327 IC='G01S-005'
S39 7 S32 AND S33:S38
S40 15 S26 AND S33:S38
S41 88 S25 AND S18:S20
S42 19 S41 AND S33:S38
S43 73 S21 OR S24 OR S29 OR S39:S40 OR S42
S44 73 IDPAT (sorted in duplicate/non-duplicate order)
S45 73 IDPAT (primary/non-duplicate records only)
S46 57 S45 AND AC=US/PR
S47 37 S46 AND AY=(1970:2000)/PY
S48 30 S45 AND PY=1970:2000
S49 42 S47:S48
?

File 6:NTIS 1964-2005/Aug W1
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(c) 1998 Inst for Sci Info
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

| Set | Items | Description |
|-----|---------|--|
| S1 | 13994 | CIPHER? OR CYPHER? |
| S2 | 9687 | (ENCRYPT? OR ENCIPHER? OR ENCRYPTER? OR CRYPTOGRAPH? OR CRYPTOLOG?) (1W) (KEY? ? OR CODE? ? OR MICROCOD? OR ALGORITHM?) |
| S3 | 20 | SECRETKEY? OR PRIVATEKEY? OR CRYPTOKEY? OR PUBLICKEY? OR SESSIONKEY? |
| S4 | 52835 | PKC OR PKE OR PKI OR RSA OR PGP |
| S5 | 80888 | (ACCESS?? ? OR ACCESSING) (2N) (DATA OR INFORMATION) |
| S6 | 4754 | GEOLOCAT? OR GEOCOD???? ? OR GEOADDRESS? OR GEOPOSITION? OR GEODATA? OR GEOINFORMATION? OR GEOIDENTIT? OR GEOCOORDINATE? - OR GEOCO()ORDINATE? ? |
| S7 | 50 | GEOATTRIBUTE? OR GEOVALUE? OR GEOINFO OR GEOIDENTIF? OR GEOPROPERTY? OR GEOPARAMET? OR GEOCHARACTERIST? OR GEOFACTOR? OR GEOPOINT? |
| S8 | 0 | GEOCRITER? |
| S9 | 7 | GEOLOCK? |
| S10 | 391861 | GEO OR GEOGRAPHIC???? ? OR GEOGRAPHY OR GEODETIC???? ? |
| S11 | 83367 | S10(1W) (CODE? ? OR ADDRESS???? ? OR POSITION???? ? OR LOCATION???? ? OR DATA OR INFORMATION OR INFO OR IDENTIT??? ? OR IDENTIFICAT?) |
| S12 | 3954 | S10(1W) (IDENTIFIE?? ? OR IDENTIFY? OR COORDINATE? ? OR CO(-)ORDINATE? ? OR ATTRIBUTE? ? OR VALUE? ? OR PROPERTY? OR PROPERTIES) |
| S13 | 2777 | S10(1W) (PARAMETER? OR PARAMETRE? OR CHARACTERISTIC? ? OR FACTOR OR FACTORS OR POINT? ? OR CRITERIA? OR CRITERION? ?) |
| S14 | 1252879 | LOCALE OR LOCALIT??? ? OR ADDRESS OR LOCATION? |

S15 335599 S14(1W)(CODE? ? OR ADDRESS???? ? OR POSITION???? ? OR DATA
 OR INFORMATION OR INFO OR IDENTIT??? ? OR IDENTIFICAT?)
 S16 4351 S14(1W)(IDENTIFIE?? ? OR IDENTIFY? OR COORDINATE? ? OR CO(-
)ORDINATE? ? OR ATTRIBUTE? ? OR VALUE? ? OR PROPERTY? OR PROP-
 ERTIES)
 S17 8705 S14(1W)(PARAMETER? OR PARAMETRE? OR CHARACTERISTIC? ? OR F-
 ACTOR OR FACTORS OR POINT? ? OR CRITERIA? OR CRITERION? ?)
 S18 10428 LONGITUD?(5N)LATITUD?
 S19 74376 GPS OR (GLOBAL OR GROUND)(1W)POSITION???? ?
 S20 2997 (RADIONAVIGAT? OR NAVIGAT?)(1W)POSITION???? ?
 S21 82 S1:S5 AND S6:S9
 S22 1685 S1:S5 AND S11:S13
 S23 5 S1:S3 AND S6:S9
 S24 17 S1:S3 AND S11:S13
 S25 403 S1:S3 AND S15:S17
 S26 25 S1:S3 AND S18:S20
 S27 971 S1:S3(3N)(CREAT? OR PRODUCE? ? OR PRODUCING OR PRODUCTION?
 OR BUILD? OR BUILT? OR GENERAT? OR FORMATION?)
 S28 1357 S1:S3(3N)(FORM? ? OR FORMED OR FORMING OR DESIGN???? ? OR -
 CONSTRUCT? OR DEVELOP? OR CONFIGUR?)
 S29 25 S25 AND S27:S28
 S30 5431 S5 AND (S11:S13 OR S15:S17)
 S31 100 S30 AND S18:S20
 S32 100 S31 NOT (PCODE? OR P()COD??? ?)
 S33 0 S25 AND S18:S20
 S34 66 S23:S24 OR S26 OR S29
 S35 36 S34/2001:2005
 S36 30 S34 NOT S35
 S37 25 RD (unique items)